



Chairperson: Bob Wyatt, NW Natural
Treasurer: Fred Wolf, Legacy Site Services for Arkema

June 24, 2011

Lori Cora
US EPA
1200 Sixth Avenue, Suite 900
ORC-158
Seattle, Washington 98101

Chip Humphrey
US EPA
805 SW Broadway, Suite 500
Portland, Oregon 97205

Vinh Pham
Bank of the West
PO Box 1121
San Jose, California 95108-1121

RE: Portland Harbor Superfund Site RI/FS Trust Fund
Lower Willamette Group
Claim Certificate LWG-021

Dear Ms. Cora, Mr. Humphrey, and Mr. Pham;

At the request of the Lower Willamette Group, enclosed is Claim Certificate LWG-021 for the Portland Harbor Superfund Site Remedial Investigation and Feasibility Study Trust Fund. The purpose of the Claim Certificate is to request a payment from the Trust Fund for work performed under the US Environmental Protection Agency Settlement and Order as part of Section 26 of the Administrative Order on Consent for the Portland Harbor Superfund Site.

The total for Claim Certificate LWG-021 is \$114,605.34 with a payment to Anchor/QEA. The attached Claim Certificate includes a summary of the payee amount, a description of the tasks performed, and a summary table from the payee.

If there are any questions regarding this Claim Certificate, please contact either Hans Feige of Feige & Associates at 503-543-9700 or Fred Wolf of Legacy Site Services at 253-535-7256.

Sincerely,

A handwritten signature in black ink, appearing to be "Hans Feige", written over a horizontal line.

Hans Feige
Feige & Associates, Inc.

Cc: Kelly Madalinski; Port of Portland
Bob Wyatt; Northwest Natural Gas
Rick Applegate; City of Portland
Fred Wolf; Legacy Site Services
David Ashton; Port of Portland
Jennifer Woronets; Anchor QEA

Claim Certificate LWG-021

June 24, 2011

Certification

The following invoice is for Remedial Investigation and Feasibility Study activities performed at the Portland Harbor Superfund Site in accordance with the Administrative Settlement Agreement and Order on Consent for Remedial Investigation/Feasibility Study, Docket Number CERCLA 10-2001-0240. The purpose of this invoice is to request the Trustee to make a payment from the Trust Fund established by the Lower Willamette Group to pay for work performed for the Site. This invoice is for work that has been generally discussed with the US Environmental Protection Agency (EPA).

Summary of Activities**Anchor/OEA (see attached Table 1)**

1) Development of Site Specific PRGs	
Revised PRGs per Draft RAs	\$7,063.06
Revised PRGs per EPA RA Comments	\$10,180.08
2) Sediment Transport Analysis	
HST Hybrid Model Runs	\$5,441.40
Wind Wave and Propwash Analysis Complete	\$5,785.00
3) Contaminant Mobility Evaluations	
Preliminary Mobility Analysis (alts screen phase)	\$5,469.14
4) Treatment Technology Alternative Evaluation	
Revised Technology Screening for FS	\$4,437.54
5) Construction Impacts Evaluation	
Preliminary Impacts Evaluation (alts screening)	\$4,269.12
6) Recontamination and Natural Recovery Evaluation	
Final Model Calibration	\$35,504.80
7) Feasibility Study Report	
Development and Screening Alts	\$30,920.80
8) PRG and SMA Uncertainty Analysis	
Natural Neighbor Contouring Analysis	\$114.40
Impact of Non-Detect on AOPC Mapping Analysis	\$832.00
Mapping of Alternate Key PRGs	<u>\$4,588.00</u>
Total	\$114,605.34
Certificate Total	<u>\$114,605.34</u>

Descriptions of Activities

- 1) Development of Site Specific PRGs tasks included analyzing PRGs, RGs, benthic areas, and potential RALs.
- 2) Sediment Transport Analysis tasks included database and GIS changes impacting SMAs and SMA revisions, development of RAL SMAs, and development of SMA vertical extents.
- 3) Contaminant Mobility Evaluations tasks included water, TZW, and background screening revisions.
- 4) Treatment Technology Alternative Evaluation tasks included continued screening treatment technologies.

Claim Certificate LWG-021

June 24, 2011

Page 3 of 3

- 5) Construction Impacts Evaluation tasks included changes to dredging and residuals tools methods.
- 6) Recontamination and Natural Recovery Evaluation tasks included updating model calibration and additional model runs for RAL evaluations and set up and calibration of construction model.
- 7) Feasibility Study Report tasks included the continued development of the alternatives screening presentation.
- 8) PRG and SMA Uncertainty Analysis tasks included development of sensitivity analysis and associated coordination with the LWG.

Action Required

This certificate is being sent to both the EPA Attorney and the EPA Project Coordinator at their respective addresses in both electronic and print copy. The Trust details that if the EPA objects to any payment request in the Claim Certificate, the EPA must provide the LWG an Objection Notice within 30 days of the date in which this Certificate was delivered. If, after 30 days, no objection has been received, the payment shall be made to the LWG from the Trust by the Trustee.

Certification Signature

A handwritten signature in black ink, appearing to read 'Bob Wyatt', with a long horizontal line extending to the right.

Bob Wyatt
LWG Chairperson
Northwest Natural

TABLE 1

Lower Willamette Group
Anchor OEA Progress Report - March 2011

Anchor OEA 2011 FS Budget Estimates as of November 30, 2010
December 2010 through Draft Feasibility Study Submittal in 2011

No.	Task	SubTask	Total Estimate 2011 Budget	Previous Amount Spent To Date	Amount Spent This Month	Amount Spent To Date	Remaining Budget	Percent of Budget Spent	Percent of Task Work Complete
1	Development of Site Specific PNG								
1a		Revised PNGs per Draft RA			\$7,063.06				
1b		Revised PNGs per EPA RA Comments			\$10,180.00				
1c		Final PNGs per PS Report							
1d									
1e									
4	Sediment Transport Analysis								
4c		HST Hybrid Model Run			\$5,441.40				
4c		Wind wave and Propwash Analysis Complete			\$5,785.00				
5	Contaminant Mobility								
5a		Preliminary mobility analyses (alt screen phas			\$5,469.14				
5b									
5c									
7	Treatment Technology Alternative Evaluation								
7a		Revised technology screening for PS			\$4,437.54				
7b									
7c									
7d									
7e									
8	Construction Impacts Evaluation								
8a		Preliminary impacts evaluation (alt screening)			\$4,269.12				
8b									
8c									
8d									
11	Recontamination & Natural Recovery Evaluation								
11a		Final Model Calibration			\$35,504.80				
11b									
11c									
11d									
11e									
11f									
12	Feasibility Study Report								
12a									
12b		Development and Screening AIs			\$30,920.80				
12c									
12d									
12e									
12f									
12g									
12h									
12i									
12j									

TABLE 1

No.	Task	SubTask	Total Estimate 2011 Budget	Previous Amount Spent To Date	Amount Spent This Month	Amount Spent To Date	Remaining Budget	Percent of Budget Spent	Percent of Task Work Complete
102									
17	PWG and SHA Uncertainty Analysis								
17a		Natural Neighbor Contouring Analysis				\$114.40			
17b		Impact of Non-Default on MOPC Mapping Analysis				\$832.00			
17c		Mapping of Alternative Key PWGs				\$4,508.00			
17d									
17e									
17f									
17g									
Total									

TOTAL: \$ 114,605.34